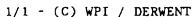
XP-002075169



AN - 83-18194K ç08!

AP - JP810102213 810702

PR - JP810102213 810702; JP860213773 810622

TI - Calcium phosphate fibres prodn. useful as bone filler by melting and extruding through air-cooled nozzles and dipping into acid soln.

IW - CALCIUM PHOSPHATE FIBRE PRODUCE USEFUL BONE FILL MELT EXTRUDE THROUGH AIR COOLING NOZZLE DIP ACID SOLUTION

PA - (MISE) MITSUBISHI MINING & CEMENT CO

PN - JP58004821 A 830112 DW8308 011pp

- JP62012322B B 870318 DW8714 000pp

ORD - 1983-01-12

IC - A61L27/00 ; C03C13/00 ; D01F9/08

FS - CPI; GMPI

DC - D22 E33 P34

B - J58004821 Molar ratio of calcium to phosphorus in the calcium phosphate which is used as the material on producing the fibres is 0.6-1.7 after the melting process. The calcium phosphate is selected so that the total amt. of CaO and P2O5 in the fibres is below 80%. After the calcium phosphate is melted, it is extruded into the fibres from the spinning nozzle to which air is blown for cooling. The fibres obtd. are dipped in an acid soln. whose pH value is 2-7. Ca4O(PO4)2, Ca5(PO4)3OH, Ca3(PO4)2, or CaHPO4 are pref. used as the calcium phosphate material.

 The calcium phosphate fibres stimulate prodn. of new bone.